

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059963.D
 Acq On : 3 Feb 2020 9:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:21 AM

Quant Time: Feb 03 11:37:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	295863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112505	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.56	113	94324	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	10.08	98	354739	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	131895	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94193	41.926	ug/l	98
3) Chloromethane	2.04	50	92538	42.502	ug/l	99
4) Vinyl Chloride	2.17	62	118936	47.744	ug/l	99
5) Bromomethane	2.54	94	67681	44.519	ug/l	96
6) Chloroethane	2.68	64	55764	47.315	ug/l	97
7) Trichlorofluoromethane	3.00	101	142086	47.493	ug/l	98
8) Diethyl Ether	3.38	74	50877	48.458	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83278	50.014	ug/l	93
10) Methyl Iodide	3.93	142	108841	40.440	ug/l	96
11) Tert butyl alcohol	4.73	59	75212	211.547	ug/l	98
12) 1,1-Dichloroethene	3.71	96	78856	45.322	ug/l	91
13) Acrolein	3.58	56	50296	199.846	ug/l	98
14) Allyl chloride	4.29	41	111706	47.632	ug/l #	84
15) Acrylonitrile	4.94	53	200905	247.726	ug/l	100
16) Acetone	3.78	43	262651	369.413	ug/l	98
17) Carbon Disulfide	4.03	76	195219	39.387	ug/l	100
18) Methyl Acetate	4.28	43	123404	50.024	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	283056	49.897	ug/l	96
20) Methylene Chloride	4.52	84	89267	46.632	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	84784	45.842	ug/l	90
22) Diisopropyl ether	5.91	45	266876	50.216	ug/l	97
23) Vinyl Acetate	5.86	43	1021788	248.321	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	158936	48.943	ug/l	98
25) 2-Butanone	6.80	43	316144	264.340	ug/l	93
26) 2,2-Dichloropropane	6.80	77	154753	49.570	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	102278	48.080	ug/l	90
28) Bromochloromethane	7.17	49	65054	50.122	ug/l #	79
29) Tetrahydrofuran	7.18	42	170030	229.779	ug/l	89
30) Chloroform	7.35	83	171255	50.898	ug/l	99
31) Cyclohexane	7.63	56	133361	42.679	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	151394	48.665	ug/l	96
36) 1,1-Dichloropropene	7.77	75	121674	47.225	ug/l	96
37) Ethyl Acetate	6.89	43	108762	45.008	ug/l	95
38) Carbon Tetrachloride	7.75	117	135122	48.212	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	145283	45.731	ug/l	92
40) Benzene	8.02	78	364718	47.465	ug/l	99
41) Methacrylonitrile	7.15	41	49827m	41.862	ug/l	
42) 1,2-Dichloroethane	8.10	62	131621	50.521	ug/l	97
43) Isopropyl Acetate	8.14	43	196928	47.378	ug/l	95
44) Trichloroethene	8.82	130	104341	49.742	ug/l	96
45) 1,2-Dichloropropane	9.10	63	95349	50.146	ug/l	99
46) Dibromomethane	9.19	93	66192	49.350	ug/l	93
47) Bromodichloromethane	9.38	83	138862	51.376	ug/l	97
48) Methyl methacrylate	9.18	41	86724	46.646	ug/l	90
49) 1,4-Dioxane	9.18	88	31176	915.994	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	572416	238.234	ug/l	96
52) Toluene	10.14	92	235848	48.593	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	157036	52.033	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	163850	51.598	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	97780	50.866	ug/l	97
56) Ethyl methacrylate	10.42	69	139147	47.373	ug/l	93
57) 1,3-Dichloropropane	10.70	76	156466	51.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242727	274.356	ug/l	93
59) 2-Hexanone	10.74	43	466624	263.612	ug/l	95
60) Dibromochloromethane	10.89	129	113653	51.919	ug/l	100
61) 1,2-Dibromoethane	10.99	107	100096	49.681	ug/l	100
64) Tetrachloroethene	10.62	164	106623	48.111	ug/l	94
65) Chlorobenzene	11.43	112	263180	49.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	104211	50.461	ug/l	98
67) Ethyl Benzene	11.50	91	473341	48.786	ug/l	98
68) m/p-Xylenes	11.62	106	355035	96.872	ug/l	96
69) o-Xylene	11.94	106	173551	48.369	ug/l	95
70) Styrene	11.96	104	291404	48.535	ug/l	97
71) Bromoform	12.12	173	86011	51.994	ug/l #	99
73) Isopropylbenzene	12.24	105	474567	47.581	ug/l	100
74) N-amyl acetate	12.06	43	173214	44.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	136110	47.074	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123516m	53.969	ug/l	
77) Bromobenzene	12.52	156	120487	47.703	ug/l	83
78) n-propylbenzene	12.59	91	547248	48.885	ug/l	99
79) 2-Chlorotoluene	12.67	91	318599	47.840	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	396529	47.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51227	48.068	ug/l	95
82) 4-Chlorotoluene	12.77	91	329897	49.388	ug/l	97
83) tert-Butylbenzene	12.99	119	344388	47.472	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	399864	48.186	ug/l	99
85) sec-Butylbenzene	13.17	105	463756	48.656	ug/l	99
86) p-Isopropyltoluene	13.28	119	425739	48.273	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	218786	49.867	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218473	49.916	ug/l	98
89) n-Butylbenzene	13.61	91	381531	50.737	ug/l	98
90) Hexachloroethane	13.87	117	79951	48.453	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	210773	48.594	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28380	45.543	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131828	50.581	ug/l	99
94) Hexachlorobutadiene	15.01	225	70603	49.159	ug/l	99
95) Naphthalene	15.13	128	346549	46.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125784	49.583	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

